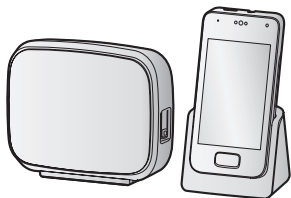


Panasonic®

Operating Instructions

Premium Design Phone with Touchscreen

Model No. **KX-PRX150E**



Thank you for purchasing a Panasonic product.

Please read this document and save it for future reference.

Please access our online customer survey:

<http://panasonic.net/pcc/tel/q>

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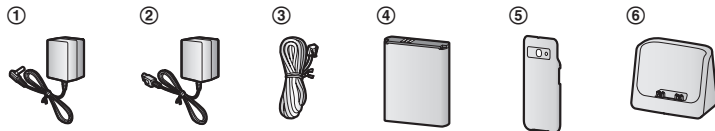
Accessory information

Supplied accessories

No.	Accessory item/Part number	Quantity
①	AC adaptor for base unit/PNLV226E	1
②	AC adaptor for charger/PNLV230E	1
③	Telephone line cord/PNJA1037Z(for U.K.)	1
④	Rechargeable battery*1	1
⑤	Handset cover*2	1
⑥	Charger/PNLC1048ZA	1

*1 See page 3 for replacement battery information.

*2 The handset cover comes attached to the handset.



Additional/replacement accessories

Please contact your nearest Panasonic dealer for sales information.

Accessory item	Model number
Rechargeable battery	KX-PRA10EX ● Lithium Ion (Li-Ion) type battery
Headset	RP-TCM120*1
DECT repeater	KX-A405
Key finder	KX-TGA20EX*2

*1 Contact Panasonic or the authorised sales department listed on the back cover for the headset available in your area.

*2 You can register up to 4 optional key finders to your phone system. By registering a key finder to the base unit and then attaching the key finder to an easily misplaced item, such as your house or car keys, you can use your handset to find the item.

For more information, visit the following web site.

<http://panasonic.net/pcc/products/telephone/p/tga20/>

Expanding your phone system

Handset (optional): KX-PRXA15E

You can expand your phone system by registering optional handsets (6 max.) to a single base unit.

- Optional handsets may be a different colour from that of the supplied handsets.



Sales and support information

Customer Communications Centre

- For customers within the U.K.: 0844 844 3899
- For customers within Ireland: 01289 8333
- For further support on your product, please visit our website: www.panasonic.co.uk

Direct Sales at Panasonic U.K.

- Order accessory and consumable items for your product with ease and confidence by phoning our Customer Communications Centre Monday - Friday 9:00am - 5:00pm (Excluding public holidays).
- Go on line through our Internet Accessory ordering application at www.pas-europe.com
- Most major credit and debit cards accepted.
- All enquiries transactions and distribution facilities are provided directly by Panasonic U.K.
- Also available through our Internet is direct shopping for a wide range of finished products. Take a browse on our website for further details.
<http://shop.panasonic.co.uk/>

General information

- This equipment is designed for use on the U.K. and Ireland analogue telephone network.
- In the event of problems, you should contact your equipment supplier in the first instance.

Declaration of Conformity:

- Panasonic System Networks Co., Ltd. declares that this equipment is in compliance with the essential requirements and other relevant provisions of Radio & Telecommunications Terminal Equipment (R&TTE) Directive 1999/5/EC. Declarations of Conformity for the relevant Panasonic products described in this manual are available for download by visiting:
<http://www.ptc.panasonic.eu>

Contact to Authorised Representative:

Panasonic Testing Centre
Panasonic Marketing Europe GmbH
Winsbergring 15, 22525 Hamburg, Germany

For your future reference

We recommend keeping a record of the following information to assist with any repair under warranty.

Serial No.	Date of purchase
(found on the rear of the base unit)	
Name and address of dealer	

Attach your purchase receipt here.

Trademarks

- Google, Android, Gmail, Google Maps, and Google Play are trademarks of Google Inc.
- The Bluetooth® word mark and logos are owned by the Bluetooth SIG, Inc. and any use of such marks by Panasonic Corporation is under license.
- Wi-Fi® is a registered mark of the Wi-Fi Alliance.
- microSDHC Logo is a trademark of SD-3C, LLC.
- All other trademarks identified herein are the property of their respective owners.

Notice

- The term “apps” is used in this document to refer to programs that are installed on the handset.
- The handset supports microSD and microSDHC memory cards. In this document, the term “microSD card” is used as a generic term for any of the supported cards.
- The illustrations and screenshots shown in this document are for reference only and may differ from the appearance of the actual product.
- The suffix is omitted from model numbers listed in this document.
- Information in this document is subject to change without notice.

For your safety

To prevent severe injury and loss of life/property, read this section carefully before using the product to ensure proper and safe operation of your product.

WARNING

Power connection

- Use only the power source marked on the product.
- Do not overload power outlets and extension cords. This can result in the risk of fire or electric shock.
- Completely insert the AC adaptor/power plug into the power outlet. Failure to do so may cause electric shock and/or excessive heat resulting in a fire.
- Regularly remove any dust, etc. from the AC adaptor/power plug by pulling it from the power outlet, then wiping with a dry cloth. Accumulated dust may cause an insulation defect from moisture, etc. resulting in a fire.
- Unplug the product from power outlets if it emits smoke, an abnormal smell, or makes an unusual noise. These conditions can cause fire or electric shock. Confirm that smoke has stopped emitting and contact an authorised service centre.
- Unplug from power outlets and never touch the inside of the product if its casing has been broken open.
- Never touch the plug with wet hands. Danger of electric shock exists.
- The AC adaptor should only be used indoors.

Installation

- This product is not water-resistant. To prevent the risk of fire or electrical shock, do not expose the product to rain or any type of moisture.
- Do not place or use this product near automatically controlled devices such as automatic doors and fire alarms. Radio waves emitted from this product may cause

such devices to malfunction resulting in an accident.

- Do not allow the AC adaptor or telephone line cord to be excessively pulled, bent or placed under heavy objects.
- Keep all accessories, including the SIM card and microSD card, out of the reach of children to prevent swallowing.

Operating safeguards

- Unplug the product from power outlets before cleaning. Do not use liquid or aerosol cleaners.
- Do not disassemble the product.
- Do not spill liquids (detergents, cleansers, etc.) onto the telephone line cord plug, or allow it to become wet at all. This may cause a fire. If the telephone line cord plug becomes wet, immediately pull it from the telephone wall jack, and do not use.
- Do not leave this product near heat sources (such as radiators, cookers, etc.), in direct sunlight, or in a car under blazing sun. It should not be placed in rooms where the temperature is less than 0 °C or greater than 40 °C.
- The use of excessive sound volume through earphones, headphones, or headsets may cause hearing loss.
- To prevent possible hearing damage, do not listen at high volume levels for long periods.



- Do not use this product at refuelling points. Observe restrictions on the use of radio equipment in fuel depots, chemical plants or where blasting operations are in progress.
- To avoid damage or malfunction, do not modify the SIM card or microSD card or touch the card's gold-coloured contacts.
- While driving, follow the traffic regulations in your area regarding the use of this product.
- RF signals may affect electronic systems in motor vehicles (such as fuel injection systems, air bag systems, etc.) that have been improperly installed or are inadequately shielded. For more

information, consult the manufacturer of your vehicle or its equipment.

- Turn the product off when boarding an aeroplane. Await instructions from flight staff regarding the use of electronic devices before turning the product on, and make sure you turn on the product's aeroplane mode. Using this product in an aircraft may be hazardous to the aircraft's operation and disrupt wireless communication, and may also be illegal.
- This product is capable of producing bright flashing lights, which may cause seizures or blackouts.
- To prevent serious damage to this product, avoid strong impacts and rough handling.
- The screen is made from glass. This glass can break if the product is dropped on a hard surface or receives a substantial impact.
- Do not expose the skin to this product for a long period of time. Using this product with skin exposed to the heat generated by the product or AC adaptor for a long period of time can cause low-temperature burns.
- Although the product features GPS functionality, it cannot be used as navigation equipment for aircraft, vehicles or people, or as a high-accuracy surveying device. We do not take any responsibility for any loss resulting from the use of the GPS function for these purposes, or resulting from inaccurate readings or information caused by external factors such as malfunction, operator error, or power failure (including battery shortage).

Medical

- Consult the manufacturer of any personal medical devices, such as pacemakers or hearing aids, to determine if they are adequately shielded from external RF (radio frequency) energy. DECT features operate between 1.88 GHz and 1.90 GHz with a peak transmission power of 250 mW. Wi-Fi features operate between 2.4 GHz and 2.4835 GHz with a peak transmission power of 80 mW.

GSM features operate between 880 MHz and 1.88 GHz with a peak transmission power of 2 W.

W-CDMA features operate between 880 MHz and 2.17 GHz with a peak transmission power of 250 mW.

- Wireless Technology Research (WTR) recommends a minimum separation of 15.3 cm between a wireless device and an implanted medical device such as pacemaker or implanted cardioverter defibrillator to avoid potential interference with the medical device. If you have any reason to suspect that your phone is interfering with a pacemaker or other medical devices, turn off the phone immediately and contact the manufacture of pacemaker or other medical devices.
- Turn off this product when in health care facilities in accordance with any regulations posted in the area. Hospitals or health care facilities may be using equipment that could be sensitive to external RF energy.

CAUTION

Installation and location

- Never install telephone wiring during an electrical storm.
- Never install telephone line jacks in wet locations unless the jack is specifically designed for wet locations.
- Never touch uninsulated telephone wires or terminals unless the telephone line has been disconnected at the network interface.
- Use caution when installing or modifying telephone lines.
- The AC adaptor is used as the main disconnect device. Ensure that the AC outlet is installed near the product and is easily accessible.
- This product is unable to make calls when:
 - the handset battery needs recharging or has failed.
 - there is a power failure.

Battery

- Use only the specified battery.
- Do not open or mutilate the battery. Released electrolyte from the battery is

Important Information

corrosive and may cause burns or injury to the eyes or skin. The electrolyte is toxic and may be harmful if swallowed.

- Exercise care when handling the battery. Do not allow conductive materials such as rings, bracelets, or keys to touch the battery, otherwise a short circuit may cause the battery and/or the conductive material to overheat and cause burns.
- Charge the battery in accordance with the instructions and limitations specified in this manual.
- Only use a compatible charger to charge the battery. Do not tamper with the charger. Failure to follow these instructions may cause the battery to swell or explode.
- Do not subject the battery to mechanical shock.
- Keep the battery out of the reach of children.
- Keep the battery clean and dry.
- Wipe the battery terminals with a clean dry cloth if they become dirty.
- Do not continuously charge the battery for a prolonged period of time.
- Remove the battery from the product if the product will not be used for a prolonged period of time.

Important safety instructions

When using your product, basic safety precautions should always be followed to reduce the risk of fire, electric shock, and injury to persons, including the following:

1. Do not use this product near water for example, near a bathtub, washbowl, kitchen sink, or laundry tub, in a wet basement or near a swimming pool.
2. Avoid using a telephone (other than a cordless type) during an electrical storm. There may be a remote risk of electric shock from lightning.
3. Do not use the telephone to report a gas leak in the vicinity of the leak.
4. Use only the power cord and batteries indicated in this manual. Do not dispose of batteries in a fire. They may explode.

Check with local codes for possible special disposal instructions.

SAVE THESE INSTRUCTIONS

For best performance

Base unit location/avoiding noise

The base unit and other compatible Panasonic units use radio waves to communicate with each other.

- For maximum coverage and noise-free communications, place your base unit:
 - at a convenient, high, and central location with no obstructions between the handset and base unit in an indoor environment.
 - away from electronic appliances such as TVs, radios, personal computers, wireless devices, or other phones.
 - facing away from radio frequency transmitters, such as external antennas of mobile phone cell stations. (Avoid putting the base unit on a bay window or near a window.)
- Coverage and voice quality depends on the local environmental conditions.
- If the reception for a base unit location is not satisfactory, move the base unit to another location for better reception.

Environment

- Keep the product away from electrical noise generating devices, such as fluorescent lamps and motors.
- The product should be kept free from excessive smoke, dust, high temperature, and vibration.
- Do not place heavy objects on top of the product.
- When you leave the product unused for a long period of time, unplug the product from the power outlet.
- The maximum calling distance may be shortened when the product is used in the following places: Near obstacles such as hills, tunnels, underground, near metal objects such as wire fences, etc.

- Operating the product near electrical appliances may cause interference. Move away from the electrical appliances.

Routine care

- **Wipe the outer surface of the product with a soft moist cloth.**
- Do not use benzene, thinner, or any abrasive powder.

Other information

CAUTION: Risk of explosion if battery is replaced by an incorrect type. Dispose of used batteries according to the instructions.

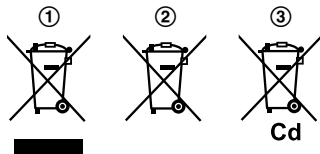
Notice for downloading software or upgrading the operating system

- Product functions and operating procedures may change and certain applications may not function any longer if the product's operating system is upgraded.
- Confirm the safety and security of software before downloading or installing it on this product. Installing malware or viruses can cause malfunction and the disclosure of any private information stored in this product, or may cause excessive sound volume.

Notice for product disposal, transfer, or return

- This product can store your private/confidential information. To protect your privacy/confidentiality, we recommend that you erase information such as phonebook or caller list entries from the memory before you dispose of, transfer, or return the product.

Information for Users on Collection and Disposal of Old Equipment and used Batteries



These symbols (①, ②, ③) on the products, packaging, and/or accompanying documents mean that used electrical and electronic products and batteries should not be mixed with general household waste.

For proper treatment, recovery and recycling of old products and used batteries, please take them to applicable collection points, in accordance with your national legislation and the Directives 2002/96/EC and 2006/66/EC. By disposing of these products and batteries correctly, you will help to save valuable resources and prevent any potential negative effects on human health and the environment which could otherwise arise from inappropriate waste handling.

For more information about collection and recycling of old products and batteries, please contact your local municipality, your waste disposal service or the point of sale where you purchased the items.

Penalties may be applicable for incorrect disposal of this waste, in accordance with national legislation.

For business users in the European Union

If you wish to discard electrical and electronic equipment, please contact your dealer or supplier for further information.

Information on Disposal in other Countries outside the European Union

These symbols (①, ②, ③) are only valid in the European Union. If you wish to discard these items, please contact your local authorities or dealer and ask for the correct method of disposal.

Note for the battery symbol

This symbol (②) might be used in combination with a chemical symbol (③). In this case it complies with the requirement set by the Directive for the chemical involved.

SAR

This model meets international guidelines and EU requirements for exposure to radio waves. Your wireless device is a radio transmitter and receiver. It is designed not to exceed radio wave exposure limits recommended by international guidelines. These guidelines were developed by the independent scientific organisation ICNIRP and include safety margins designed to assure the protection of all persons, regardless of age and health. These guidelines also form the basis of international regulations and standards on RF Exposure.

The guidelines use a unit of measurement known as the Specific Absorption Rate, or SAR. The SAR limit for wireless devices is 2 W/kg. The highest SAR value for this device tested at the ear was 0.580 W/kg. The highest SAR value for this device tested on the body was 1.006 W/kg.*1

As SAR is measured utilizing the devices highest transmitting power the actual SAR of this unit while operating is typically below that indicated above. This is due to automatic changes to the power level of the device to ensure it only uses the minimum level required to communicate with the network. ICNIRP (<http://www.icnirp.org>)

*1 For body-worn operation, this device must be separated from the body by a minimum of 1.5 cm.

End-user licence

This is a legal agreement between you and Panasonic System Networks Co., Ltd. ("Panasonic") with respect to the software installed in and/or delivered by the Panasonic Premium Design Phone with Touchscreen. Carefully read all the terms of this agreement

prior to using this product. Using this product indicates your acceptance of these terms.

Copyright:

The software is protected by copyright laws and international treaty provisions, and all other applicable laws. You acknowledge that you are receiving only a limited licence to use the software and related documentation, and that you shall obtain no title, ownership nor any other rights in or to the software and its related documentation, all of which title and rights shall remain with Panasonic or its licensor.

Licence:

1. You may use the software installed in and/or delivered by this product.
2. You may transfer your rights under this licence agreement on a permanent basis, provided that you transfer this agreement, all copies of the software, all related documentation and your Panasonic Premium Design Phone with Touchscreen, and the recipient thereof agrees to the terms of this agreement.

Restrictions:

You may not reverse engineer, decompile or disassemble the software, except as expressly permitted by applicable law. You may not use, copy, modify, alter, rent, lease or transfer the software, its related documentation, or any copies thereof, in whole or in part, except as expressly provided in this agreement. You may not export the software in contravention of any applicable U.S. or foreign export laws and regulations.

Open source software notice

Parts of this product use open source software supplied based on the relevant conditions of the Free Software Foundation's GPL and/or LGPL and other conditions. Please read all licence information and copyright notices related to the open source software used by this product. This information is available at the following web page:

www.panasonic.net/pcc/support/tel/sdect
At least three (3) years from delivery of this product, Panasonic System Networks Co.,

Ltd. will give to any third party who contacts us at the contact information provided below, for a charge of no more than the cost of physically distributing source code, a complete machine-readable copy of the corresponding source code and the copyright notices covered under the GPL and the LGPL. Please note that software licensed under the GPL and the LGPL is not under warranty.
www.panasonic.net/pcc/support/tel/sdect

Disclaimer

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Specifications

Connectivity

- DECT (Digital Enhanced Cordless Telecommunications)
- GAP (Generic Access Profile)
- GSM: 900/1800 MHz
- W-CDMA: 900/2100 MHz
- Wi-Fi: IEEE 802.11b/g/n
- Bluetooth: version 2.1+EDR, Class 2
- USB: version 2.0

Frequency range

- DECT: 1.88 GHz to 1.90 GHz
- Wi-Fi: 2.4 GHz to 2.4835 GHz
- GSM900/W-CDMA900
Uplink: 880 MHz to 915 MHz
Downlink: 925 MHz to 960 MHz
- GSM1800
Uplink: 1.71 GHz to 1.785 GHz
Downlink: 1.805 GHz to 1.880 GHz
- W-CDMA2100
Uplink: 1.92 GHz to 1.98 GHz
Downlink: 2.11 GHz to 2.17 GHz

RF transmission power

- DECT: Approx. 10 mW (average power per channel)
- Wi-Fi: 80 mW (peak transmission power)
- GSM: 2 W (peak transmission power)
- W-CDMA: 250 mW (peak transmission power)

Handset operating system

- Android™ 4.0, Ice Cream Sandwich

Hardware

- Display: TFT colour 3.5-inch (HVGA: 320 × 480 pixels), capacitive touch screen
- Front camera: 0.3 M
- Rear camera: 2.0 M
- SIM card: 1.8/3 V
- Memory card: microSD, microSDHC up to 32 GB (not supplied)

Battery

- Lithium Ion (Li-Ion) 3.7 V/1,450 mAh

Talk time

- Landline calls: up to 10 hours
- GSM mobile calls: up to 5.3 hours
- W-CDMA mobile calls: up to 4.6 hours

Standby time*1

- GSM and DECT connection: up to 180 hours
- GSM connection only: up to 290 hours
- W-CDMA and DECT connection: up to 180 hours

Important Information

- W-CDMA connection only: up to 290 hours

Power source

- Base unit: 220–240 V AC, 50/60 Hz
- Charger: 100–240 V AC, 50/60 Hz

Base unit power consumption

- Standby: approx. 0.4 W
- Maximum: approx. 0.8 W

Charger power consumption

- Standby: approx. 0.1 W
- Maximum: approx. 4.0 W

Operating conditions

- 0 °C–40 °C, 20 %–80 % relative air humidity (dry)

Charging conditions

- 5 °C–40 °C

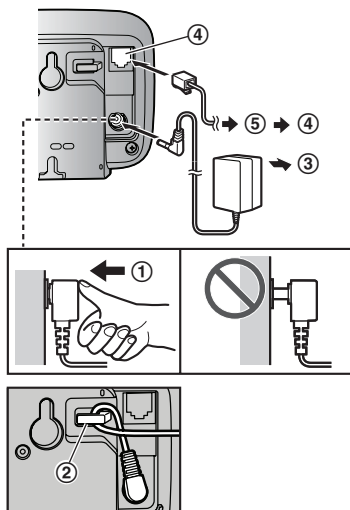
*1 Use the control panel (page 21) to turn the DECT connection on or off.

Preparing the base unit

- ① Insert the AC adaptor plug firmly into the base unit.
- ② Secure the cord by wrapping around the hook.
- ③ Connect the AC adaptor to the power outlet.
- ④ Insert the telephone line cord into the base unit and the telephone line jack until you hear a click.
- ⑤ **DSL/ADSL service users only:** Connect your DSL/ADSL filter (not supplied).

Note:

- Use only the supplied Panasonic AC adaptor PNLV226E.
- Use only the supplied telephone line cord.

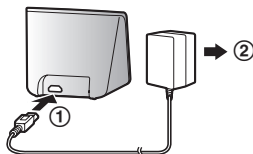


Preparing the charger

- ① Insert the AC adaptor plug firmly into the charger.
- ② Connect the AC adaptor to the power outlet.

Note:

- Use only the supplied Panasonic AC adaptor PNLV230E.



Preparing the handset

Inserting a SIM card, microSD card, and the battery

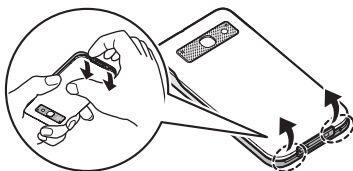
A SIM card (not supplied) allows the handset to connect to a mobile phone service. Consult your mobile phone service provider for more information.

A microSD card (not supplied) allows you to expand the handset's storage capabilities.

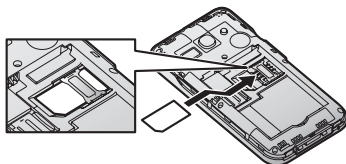
Important:

- When removing the battery, make sure you turn off the handset first.
- To avoid loss of data or malfunction, do not damage, carelessly handle, or short-circuit the gold-coloured contacts of the SIM card or microSD card.

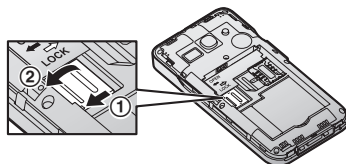
- 1 Remove the handset's cover.



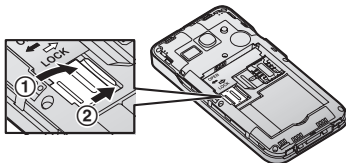
- 2 Position the SIM card with the gold-coloured contacts facing down, and then carefully slide the SIM card all the way into the SIM card slot.



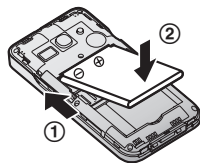
- 3 Open the microSD card cover by sliding it toward the nearest side of the handset (①) and then lifting up (②).



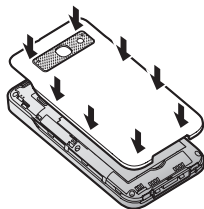
- 4 Insert the microSD card with the gold-coloured contacts facing down, close the microSD cover (①), and then gently slide the cover toward the opposite side of the handset (②).



- 5 Insert the battery (①) and lower it into the handset (②).



- 6 Attach the cover.



Charging the handset

Charge the handset for about 5 hours before initial use. The charge indicator (①) lights while the handset is charging and turns off when the handset is fully charged.

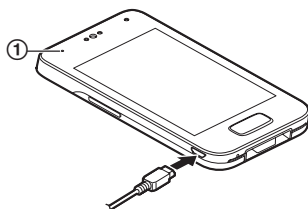
Important:

- If the handset is placed into the charger while talking on the phone, the call is not disconnected.



Place the handset into the charger.

or



Connect the AC adaptor directly to the handset.

Battery power icon

When the screen is turned on, the battery icon in the upper-right corner of the screen indicates the battery power as described below.



Note:

- When the handset is charging, ⚡ is displayed inside the battery power icon.
- You can also check the percentage of battery power remaining. From the home screen, tap ≡ → [System settings] → [Battery].

Information about power and charging

AC adaptor connection

- The AC adaptor must remain connected at all times. (It is normal for the adaptor to feel warm during use.)
- The AC adaptor should be connected to a vertically oriented or floor-mounted AC outlet. Do not connect the AC adaptor to a ceiling-mounted AC outlet, as the weight of the adaptor may cause it to become disconnected.

Power failure

- The unit will not work during a power failure. We recommend connecting a corded-type telephone (without AC adaptor) to the same telephone line or to the same telephone line jack using a T-adaptor. Your Panasonic sales shop can offer you more information about connection possibilities.

Battery use and replacement

- Use only the supplied battery. For replacement, use only the Panasonic rechargeable battery noted on page 3.
- The battery might swell when its life is close to an end. This is dependent on the usage conditions and is not a problem.

Battery charging

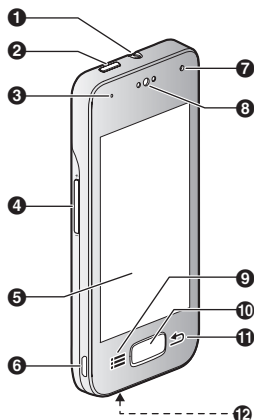
- It is normal for the handset to feel warm during charging.
- Clean the charge contacts of the handset, base unit, and charger with a soft and dry cloth once a month. Before cleaning the unit, disconnect from power outlets and any telephone line cords. Clean more often if the unit is exposed to grease, dust, or high humidity.
- Charging time and battery performance may vary depending on mobile phone network conditions.

Saving battery power

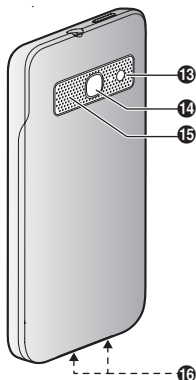
- The amount of time you can use the handset before the battery needs to be charged varies depending on how you are using it. Each of the following can help you save battery power.
 - Turn off the screen when you are not using the handset (page 18).
 - Use the control panel (page 21) to turn off the handset's Wi-Fi, GPS, and Bluetooth features.
 - When you are away from home, use the control panel (page 21) to turn off the handset's DECT connection to the base unit. Note that if you do not turn the connection back on when you return home, you will not be able to make or receive landline calls using the handset.

Getting to know your phone system

Handset overview



- 1 Headset jack
- 2 Power button
- 3 Charge indicator
- 4 Volume button (+ and -)
- 5 Touchscreen
- 6 Micro USB jack
- 7 Front camera
- 8 Receiver
- 9 ≡ (menu) button
- 10 Home button
- 11 ↶ (back) button
- 12 Microphone



- 13 Camera flash
- 14 Rear camera
- 15 Speaker
- 16 Charge contacts

Home button

You can display the home screen at any time by pressing the home button.

Getting Started

Navigation buttons

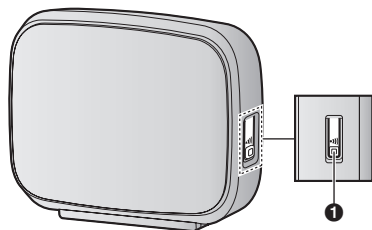
≡ (menu) button: Displays a list of options available in the current screen.

↶ (back) button: Returns to the previous screen or closes the current dialogue box, menu, on-screen keyboard, etc.

Note:

- The **≡** and **↶** buttons are displayed in most screens. They appear at the bottom of the handset next to the home button, and turn off if you do not use them for a while. To display the **≡** and **↶** buttons after they have turned off, simply touch the area of the handset where they would normally be displayed.

Base unit overview



- 1** **[📶]] (locator) button**
Handsets registered to the base unit will ring when you press this button. This can be useful when you want to locate a misplaced handset.

Turning the handset on and off

To turn the handset on, press and hold the power button on the top of the handset. If the lock screen appears, unlock the screen (page 18).

To turn the handset off, press and hold the power button on the top of the handset, and then tap **[Power off] → [OK]**.

Note:

- The first time you turn on the handset, the setup wizard is displayed (page 19).

Turning the screen on and off

You can turn the screen off to save battery power and prevent accidental operation. While the screen is turned off, you can still receive calls, messages, etc. Any apps that were in use when the screen was turned off continue to run.

To turn the screen on and off, press the power button on the top of the handset. You can also turn the screen on by pressing the home button.

Unlocking the screen

When you turn the screen on, the lock screen may be displayed. This screen prevents you from accidentally tapping the handset and operating it unintentionally. When the default lock screen is displayed, you can unlock the screen by dragging the lock icon toward the unlock icon or toward the icon of the desired action.

Setup wizard

The first time you turn on the handset, the setup wizard prompts you to configure the following settings. Follow the on-screen instructions and configure each item as needed.

- 1 Select the language.
- 2 Configure date and time settings.
- 3 Select the desired automatic time adjustment setting.
 - If you select **[Use network provided time]**, a SIM card must be inserted in order for the handset to adjust its date and time setting automatically.
- 4 Select the desired mobile network type (displayed only if a SIM card is installed).
- 5 Add or create a Google account.
- 6 Configure Wi-Fi settings (displayed only if you choose to configure a Google account).

Note:

- Some items may be displayed in English regardless of the display language setting.

Setting up a Google account

Configuring your handset to synchronise with your Google account is an easy way to synchronise contacts and other information between different devices, such as computers or smartphones, and your phone system's handset. For example, you can use your computer to add your contacts to your Google account, and then configure the handset to synchronise with your Google account. Your contacts will be automatically downloaded to your handset.

The setup wizard will prompt you to either add your existing Google account information to the handset or create a new account. You can skip this step if desired. To configure Google account settings later, see page 46.

Note:

- An Internet connection is required to configure a Google account. If you choose to use or create a Google account during the setup wizard, you will be prompted to enter Wi-Fi information so that the handset can connect to the Internet.

Wi-Fi settings

If you have a wireless router and an Internet connection, you can configure the handset to connect to your Wi-Fi network and access the Internet for synchronising your handset with your Google account, using the **[Browser]** app to view web pages, etc. If the setup wizard prompts you to enter Wi-Fi information, use the following procedure. To configure these settings later, see page 45.

- 1 Select a Wi-Fi network.
 - If the desired Wi-Fi network is not displayed, you may need to enter the network name (also called the "SSID") manually. See page 45 for more information.
- 2 Enter the password if you are connecting to a secure Wi-Fi network.
- 3 Tap **[Connect]**.

Home screen

The home screen is the main screen from which you can launch apps, such as the phone, camera, and web browser, and check widgets. It's available any time by simply pressing the home button. You can customise the home screen to suit your needs, and add, move, and remove items as desired.

Browsing the home screen

The home screen contains multiple pages of app icons and widgets. Flick the screen left and right to view other pages. To open an app, tap the app's icon.

Moving an item on the home screen

- 1 Tap and hold the item.
- 2 Drag the item to the new location.
 - You can move the item to another page by dragging the item to the left or right edge of the screen.

Using the app list

The app list gives you access to all the apps and widgets stored on the handset. You can view the app list by tapping  in the home screen. Similar to the home screen, the app list also contains multiple pages that you can view by flicking the screen left and right. Use the following procedure to add an item in the app list to the home screen.

- 1 Browse to the page of the home screen where you want to add an app or widget, and then tap .
- 2 Browse to the page of the app list that contains the desired item.
- 3 Tap and hold the item.
 - The screen switches to the home screen.
- 4 Drag the item and drop it on the home screen.

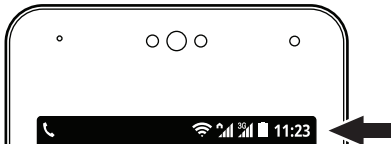
Erasing an item from the home screen

- 1 Tap and hold the item.
- 2 Drag the item and drop it on **[Remove]** at the top of the screen.

Status and notifications

Status bar

The status bar is displayed at the top of the handset's screen when using most apps. It displays the time and provides icons and other indicators that let you know the status of the handset's battery, network signal strength, and certain features of the handset.



See page 58 for a list of commonly used status icons and their meanings.

Notifications panel

The notifications panel provides detailed information about incoming email messages, missed calls, calendar events, etc. You can open the notifications panel by sliding your finger down from the top to the bottom of the screen. To close the notifications panel, slide your finger up from the bottom to the top of the screen. While the notifications panel is open, you can tap a notification and open the corresponding app, and some notifications can be removed by flicking them left or right.

See page 59 for a list of commonly used notification icons and their meanings.

Control panel

The control panel is displayed at the top of the notifications panel and allows you to change settings for certain features quickly without switching to another screen. Simply tap the feature icons that are displayed in the control panel to toggle through the available settings. You can see more settings by flicking the control panel left and right.



See page 60 for a list of the settings available in the control panel.

Landline app

The **[Landline]** app is displayed by default on the handset's home screen, and allows you to access commonly used features of your phone system.

Getting Started



Allows you to make intercom calls



Allows you to change certain features of your phone system



Allows you to use the phone system's answering system



Allows you to access the base unit's call log



Allows you to use the base unit's key finder feature

Starting the [Landline] app

Tap **[Landline]** in the home screen or app list.

Making calls

You can use the **[Phone]** app to make and receive calls, check your call logs, as well as use services provided by your landline phone service provider and mobile phone service provider. The **[Phone]** app consists of the following tabs.



Used to dial manually, make intercom calls, etc.



Used to check the call log (page 27).



Used to quickly browse for a person stored in your contacts (page 30).

Important:

- When the handset is connected to the base unit, or ECO is displayed in the status bar. If neither of these icons is displayed, the handset cannot make or receive landline calls.
- If the handset is placed into the charger while talking on the phone, the call is not disconnected.

Note:

- When making calls using a Bluetooth device, the calls are made using the mobile phone line.
- When using a Bluetooth device, certain telephone features of your phone system are unavailable.

Dialling manually

- 1 Tap **[Phone]** in the home screen or app list.
- 2 Select the tab at the top of the screen.
- 3 Enter the phone number and then tap at the bottom of the screen.
 - To erase a number, tap .
 - To enter a dialling pause, tap and hold .
- 4 Select the phone line you want to use to make the call.
- 5 When finished, tap to end the call.

Searching while dialling manually

As you enter digits on the keypad, the handset searches for items in the handset call log and phonebook that match the entered digits. You can display the matched items by tapping , and you can call an item by tapping next to it.

Calling a contact

You can add contacts to the handset by adding them manually (page 30) or by synchronising the handset with your Google account (page 46).

- 1 Tap **[Phone]** in the home screen or app list.
- 2 Select the tab at the top of the screen.

Phone Features

- 3 Tap the desired contact.
- 4 Select the phone line you want to use to make the call.
- 5 When finished, tap  to end the call.

Adding a phone number to your contacts while dialling

- 1 After dialling a number manually, tap  → **[Add to contacts]**.
- 2 **To add the number to an existing contact:**
→ Tap the desired contact.
To add the number to a new contact:
→ Tap **[CREATE NEW CONTACT]**.
- 3 If prompted, follow the on-screen instructions to determine where the contact will be saved.
 - Contacts can be stored in the handset's memory, on the SIM card, or synchronised with your Google account.
 - Tap **[Add new account]** (if displayed) if you want to register a Google account to the handset. You can also register an account later (page 46).
- 4 Enter or edit the information as needed and tap **[DONE]**.

Making a video call

You can make a video call to a compatible device by entering the other party's phone number and then tapping .

Note:

- A SIM card must be inserted in order to make video calls.
- Only compatible devices can answer video calls.

Using other features during a call

Speakerphone

Tap  to turn on the speakerphone during a call. Tap  again to switch back to the receiver.

Receiver or speaker volume

Press the volume button up (**+**) and down (**-**) repeatedly during a call.

Mute

Tap  during a call to mute the handset's microphone so that the other party cannot hear you.
Tap  again to turn the mute off.

Hold

Tap  during a call to place the call on hold so that you and the other party cannot hear each other. Tap  again to return to the call.

- The handset sounds an alarm if a landline call is held for 9 minutes. If the call remains on hold, the alarm sounds again 30 seconds later (i.e., after 9 minutes and 30 seconds of being on hold). The call is disconnected 30 seconds later if it continues to be on hold (i.e., after 10 minutes of being on hold).

Recall/flash (landline calls only)

Tap **R** to use call waiting and answer a second landline call or switch between landline calls (page 27). You can change the recall/flash time if necessary (page 44).

Activating the screen during a call

The handset's proximity sensor detects when you raise the phone to your ear and automatically turns off the screen. This not only saves battery power, but also prevents you from inadvertently operating the screen while talking. The screen turns on again when you move the handset away from your ear.

You can also turn the screen off and on manually when on a call by pressing the power button on the top of the handset.

Note:

- If you turn off the screen while on a call, the call will continue.

Keypad

Tap  during a call if you need to enter numbers, such as when navigating a call centre's voice guided menu system. Tap  to hide the keypad.

Recording a landline call

Important:

- Before recording a conversation, inform the other party that the conversation will be recorded. Recording without consent is a violation of privacy and may be against the law.

- 1 While on a landline call, tap  → **[Record call]**.
- 2 When finished, tap  → **[Stop recording]**, or tap  to end the call.

Note:

- To listen to the recording, see page 33.

Answering calls

Answering a call

- 1 When a call is being received, tap  and drag it to .
- 2 Tap  to end the call.

Choosing not to answer a call

When a call is being received, tap  and drag it to . The result varies depending on the type of call.

Phone Features

- **For landline calls:** The handset stops ringing.
 - **For mobile calls:** The call is rejected.
-

Ringer volume

Press the volume button up (+) and down (-) repeatedly to adjust the ringer volume. While the handset is ringing, press the button up or down to turn the ringer off temporarily.

Changing ringtone and audio settings quickly

- 1 Press and hold the power button on the top of the handset.
- 2 Select the desired audio profile.



Selects the **[Silent]** audio profile. The ringer is turned off and the phone does not vibrate.



Selects the **[Meeting]** audio profile. The ringer is turned off and the phone only vibrates.



Selects the **[General]** audio profile. Your customised ringtone and audio settings are used (page 40).

Note:

- For details about ringtones and audio settings, see page 40.
-

Answering a second call (call waiting)

If you receive a second call while you are talking on the phone, the handset will let you know by sounding a call waiting tone. If caller information is also received, you can confirm the information on the screen and answer the second call if desired.

Important:

- You may need to subscribe to your phone service provider's call waiting service in order to answer a second call on the same line. Consult your landline or mobile phone service provider for information about this feature.
-

Answering a second call received on a different line

When you hear the call waiting tone, tap  and drag it to . (Drag it to  to ignore the new call.) The first call is disconnected.

Answering a second mobile call

- 1 When you hear the call waiting tone, tap  and drag it to . (Drag it to  to reject the new call.)
- 2 **To switch between calls:**
→ Tap .
- To join the calls and have a conversation with all parties:**
→ Tap .
- To end the current call:**

→ Tap .

Answering a second landline call

- 1 When you hear the call waiting tone, tap **R**.
- 2 To switch between calls, tap **R** again.

Using the call logs

The handset and base unit each log your calls, allowing you to check a record of your calls. The following symbols are used to indicate each type of call stored in the call logs.

Important:

- Caller ID is required to log missed and answered calls (page 46).

Call log	Icon	Meaning	Phone line used
Handset call log	 (red)	Missed call	Mobile only
	 (blue)	Missed call	Landline only* ¹
		Answered call	Landline* ¹ , mobile
	 (green)	Outgoing call	Landline* ¹ , mobile
Base unit call log	 (red)	Missed call	Landline only
	 (blue)	Answered call or missed call that has been confirmed	Landline only

*¹ The handset call log can only log landline calls that are received while the handset is connected to the base unit.

Checking your missed calls

When you have a missed call,  is displayed in the status bar and notifications panel. To view the missed call, open the notifications panel (page 21) and tap the missed call notification.

Using the handset call log

Making a call from the handset call log

- 1 Tap **[Phone]** in the home screen or app list.
- 2 Select the  tab at the top of the screen.
- 3 Select the type of calls you want to view by tapping the desired tab.
- 4 Tap  next to the phone number or person you want to call.
- 5 Select the phone line you want to use to make the call.
- 6 When finished, tap  to end the call.

Adding information from the handset call log to your contacts

- 1 Tap **[Phone]** in the home screen or app list.
- 2 Select the  tab at the top of the screen.
- 3 Select the type of calls you want to view by tapping the desired tab.
- 4 Tap the desired name or phone number and then tap **[Add to contacts]**.
 - **[Add to contacts]** is not displayed if the selected call log entry has already been added to your contacts.
- 5 **To add the number to an existing contact:**
→ Tap the desired contact.
To add the number to a new contact:
→ Tap **[CREATE NEW CONTACT]**.
- 6 If prompted, follow the on-screen instructions to determine where the contact will be saved.
 - Contacts can be stored in the handset's memory, on the SIM card, or synchronised with your Google account.
 - Tap **[Add new account]** (if displayed) if you want to register a Google account to the handset. You can also register an account later (page 46).
- 7 Enter or edit the information as needed and tap **[DONE]**.

Erasing the handset call log

- 1 Tap **[Phone]** in the home screen or app list.
- 2 Select the  tab at the top of the screen.
- 3 Select the type of calls you want to view by tapping the desired tab.
- 4 Tap  → **[Delete]**.
- 5 Select the desired entries.
 - Tap  to select all entries. Tap  to deselect all entries.
- 6 Tap  → **[OK]**.

Using the base unit call log

Making a call from the base unit call log

- 1 Tap **[Landline]** in the home screen or app list.
- 2 Tap **[Call log list]**.
 - The handset connects to the base unit.
- 3 Tap  next to the phone number or person you want to call.
- 4 Select the phone line you want to use to make the call.
- 5 When finished, tap  to end the call.

Erasing the base unit call log

- 1 Tap **[Landline]** in the home screen or app list.

- 2** Tap **[Call log list]**.
- The handset connects to the base unit.
- 3** **To erase information for one call:**
→ Select the desired call and then tap  → **[Delete from call log]**.
- To erase information for all calls:**
→ Tap  → **[Delete all calls]** → **[OK]**.

Adding contacts

You can use the **[People]** app to store all your contact information in the handset. Entries (also called “contacts”) contain information about your friends, family, and colleagues, such as their addresses, phone numbers, and email addresses.

Note:

- If you have a Google account and an Internet connection, you can synchronise your contacts with the handset automatically (page 46).

Adding a contact manually

- 1 Tap **[People]** in the home screen or app list.
- 2 Tap .
- 3 If prompted, follow the on-screen instructions to determine where the contact will be saved.
 - Contacts can be stored in the handset's memory, on the SIM card, or synchronised with your Google account.
 - Tap **[Add new account]** (if displayed) if you want to register a Google account to the handset. You can also register an account later (page 46).
- 4 Enter the information as needed.
 - To add an image, tap the image icon.
 - To undo the changes you have made, tap  → **[Discard]** → **[OK]**. Note that if you tap , the changes will be saved.
 - To add the new contact information to an existing contact, tap  → **[Join]**.
- 5 Tap **[DONE]**.

Note:

- If you store domestic and/or international phone numbers in your contacts using “+” and the country code, store the phone number conversion codes in the base unit so that phone numbers will be dialled correctly when calling them using the landline (page 43).

Adding yourself to your contacts

- 1 Tap **[People]** in the home screen or app list.
- 2 Tap **[Set up my profile]**.
 - If **[Set up my profile]** is not displayed, tap the content displayed under **[ME]**, and then tap  → **[Edit]**.
- 3 Enter the information as needed.
- 4 Tap **[DONE]**.

Calling contacts

Searching for a contact

- 1 Tap **[People]** in the home screen or app list.

- 2 Tap  and then enter the search text.
 - You can also scroll using the slider on the right side of the screen to search for a contact by first letter.

Calling, texting, or emailing a contact

- 1 Tap **[People]** in the home screen or app list.
- 2 Tap the contact and then select the desired method of communication.

Managing contacts

Editing a contact

- 1 Tap **[People]** in the home screen or app list.
- 2 Select the desired contact and then tap  → **[Edit]**.
- 3 Edit the information as needed.
- 4 Tap **[DONE]**.

Erasing a contact

- 1 Tap **[People]** in the home screen or app list.
- 2 Select the desired contact and then tap  → **[Delete]** → **[OK]**.

Speed dialling

You can assign phone numbers stored in your contacts to the dial keys **[2]** to **[9]**, and then dial those phone numbers by pressing and holding the dial keys in the **[Phone]** app.

- 1 Tap **[Phone]** in the home screen or app list.
- 2 Tap  → **[Speed dial]**.
- 3 Select an unused speed dial location.
 - To erase a speed dial assignment, tap  → **[Remove]**.
- 4 Select the desired contact.

Message recording features

The following features can record your missed calls for you.

- The base unit's answering system (described in this section)
- Your landline phone service provider's voicemail service (page 46)
- Your mobile phone service provider's voicemail service (page 46)

Answering system

The base unit's answering system can answer landline calls after a certain number of rings. When it answers a call, it plays a greeting message and can then record caller messages. Messages are stored in the base unit, and you can play them using a handset when at home or remotely by using an outside telephone. The answering system cannot answer calls if you are talking on the landline.

Recording capacity

The total recording capacity is about 40 minutes. A maximum of 64 messages can be recorded.

Note:

- The following occur if the recording memory becomes full.
 - **[Memory full]** will be displayed when the answering system is turned on or off.
 - A beep will sound.
 - A memory full announcement will be heard.
 - If you use a pre-recorded greeting message, the base unit will answer calls with a different pre-recorded message that asks callers to call again later. (If you have recorded your own greeting message, it will continue to be played for callers.) No new messages will be recorded.

Turning the answering system on and off

The answering system is already turned on at the time of purchase.

- 1 Tap **[Landline]** in the home screen or app list.
- 2 Tap **[Answering system]**.
 - The handset connects to the base unit.
- 3 Turn the **[Answer]** switch on or off.
 -  is displayed in the status bar while the answering system is turned on.

Greeting messages

Recording a greeting message

By default, the answering system uses a pre-recorded greeting message. You can record your own greeting message if you prefer.

- 1 Tap **[Landline]** in the home screen or app list.

- 2 Tap **[Answering system]**.
 - The handset connects to the base unit.
- 3 Tap **[Greeting]** → **[Record greeting]**.
- 4 Tap **[OK]** and speak your message after the beep.
- 5 Tap  to stop recording and save your new greeting message.
 - Your new greeting message is played back for confirmation.

Playing your greeting message

- 1 Tap **[Landline]** in the home screen or app list.
- 2 Tap **[Answering system]**.
 - The handset connects to the base unit.
- 3 Tap **[Greeting]** → **[Play greeting]**.

Erasing your greeting message

- 1 Tap **[Landline]** in the home screen or app list.
- 2 Tap **[Answering system]**.
 - The handset connects to the base unit.
- 3 Tap **[Greeting]** → **[Reset to default greeting]** → **[OK]**.
 - A pre-recorded greeting message will be used until you record a new greeting.

Playing your messages

 is displayed in the status bar and notifications panel when the answering system has recorded new messages. You can access the answering system by tapping this icon in the notifications panel.

Playing messages

- 1 Tap **[Landline]** in the home screen or app list.
- 2 Tap **[Answering system]**.
 - The handset connects to the base unit.
 - The number of messages is displayed at the top of the screen.
- 3 **To play all new messages:**
→ Tap **[Play new message]**.
To play all messages:
→ Tap **[Play all messages]**.
To play a specific message:
→ Tap **[Message list]** and then tap  next to the desired message.

Note:

- Messages that have been played have a checkmark next to them in the message list.

Using message playback controls

The following controls are available when playing messages.

-  Tap to stop playback.
-  Tap to skip to the previous message (if tapped within the first 5 seconds of playback) or to repeat the current message from the beginning.
-  Tap to skip to the next message.
-  Tap to erase the current message.
-  Tap to switch between speaker and receiver.
-  Tap to call the caller back. (Caller ID required; see page 46)

Editing a phone number when calling back

This feature is not available when playing back a message that does not have a phone number associated with it.

- 1 Play the desired message.
- 2 Tap  → **[Edit & call]**.
 - The **[Phone]** app starts.
- 3 Edit the number as desired and then tap .
- 4 Select the phone line you want to use to make the call.

Erasing messages

To erase a message, tap  while playing the message.

Erasing all messages

- 1 Tap **[Landline]** in the home screen or app list.
- 2 Tap **[Answering system]**.
 - The handset connects to the base unit.
- 3 Tap **[Delete all messages]** → **[OK]**.

Remote operation features

While away from home, you can use a touch-tone phone to access the base unit and listen to answering system messages or change answering system settings. The base unit's voice guidance prompts you to press certain dial keys to perform different operations.

You can access the answering system remotely using the following methods.

- **New message notification:** The base unit calls you at an outside phone number.
- **Standard remote access:** You call the base unit while away from home.

Remote operation settings overview

Settings	Remote operation method	
	New message notification	Standard remote access
First time setup	page 35	–
Turn feature on	page 36	–
Change notification destination phone number	page 36	–
Making remote code required or not required	page 36	–
Set remote code	page 39 (optional)	page 39

Remote operation overview

New message notification	Standard remote access
1 While away from home, the base unit calls you when new message is recorded.	1 While away from home, call your phone number.
2 Answer call.	2 When answering system answers your call, enter remote code.
3 Enter remote code (if required).	3 Operate answering system (page 37).
4 Operate answering system (page 37).	

New message notification

After the answering system records a caller message, the base unit can call a phone number of your choosing and then play the new message back when you answer the phone. You can assign a remote code to maintain the privacy of your messages; if the remote code is assigned, the base unit will not play new messages unless the code is entered.

Important:

- When this feature is enabled, the base unit will call the specified phone number when it records a caller message. Make sure you carefully check the phone number assigned to this feature.

First time setup

- 1** Tap **[Landline]** in the home screen or app list.

Answering System Features

- 2 Tap **[Answering system]**.
 - The handset connects to the base unit.
- 3 Turn on the **[New message alert]** switch.
- 4 Tap **[Notification to]** → **[(No Entry)]**.
- 5 **To select a person and phone number from your contacts:**
→ Tap **[Phonebook]** and then select the desired contact and phone number.
To enter a name and phone number manually:
→ Tap **[Keypad]**, enter a name and phone number, and then tap **[Done]**.

Making remote code entry required or not required

If this setting is set to **[Active]**, you must enter the remote code (page 39) in order to access the answering system remotely via the new message notification feature.

- 1 Tap **[Landline]** in the home screen or app list.
- 2 Tap **[Answering system]**.
 - The handset connects to the base unit.
- 3 Tap **[New message alert]** → **[Remote code]**.
- 4 **To make remote code entry required:**
→ Tap **[Active]**. If you are prompted to enter the remote code, enter the desired code and then tap **[Done]**.
To make remote code entry not required:
→ Tap **[Inactive]**.

Turning new message notification on or off

- 1 Tap **[Landline]** in the home screen or app list.
- 2 Tap **[Answering system]**.
 - The handset connects to the base unit.
- 3 Turn the **[New message alert]** switch on or off.

Note:

- While operating the answering system remotely, you can turn off the new message notification feature by pressing **[#][9]**.

Changing the phone number for new message notification

- 1 Tap **[Landline]** in the home screen or app list.
- 2 Tap **[Answering system]**.
 - The handset connects to the base unit.
- 3 Tap **[New message alert]** → **[Notification to]**.
- 4 **To edit the name and phone number assigned to this feature:**
→ Tap **[Edit]**, edit the information, and then tap **[Done]**.
To erase the name and phone number assigned to this feature:
→ Tap **[Delete]** → **[OK]**.

Answering a new message notification call

- 1 When the base unit calls the outside phone number you specified, answer the call and enter the remote code if prompted to do so.
- 2 Follow the voice guidance prompts as necessary or control the unit using remote commands (page 37).
- 3 When finished, hang up.

Standard remote access**Important:**

- You must set the remote access code in order to use standard remote access (page 39).
- 1 Dial your phone number from a touch-tone phone.
 - 2 After the greeting message starts, enter the remote access code.
 - 3 Follow the voice guidance prompts as necessary or control the unit using remote commands (page 37).
 - 4 When finished, hang up.

Voice guidance

During remote operation, the unit's voice guidance starts and prompts you to press **[1]** to perform a specific operation, or press **[2]** to listen to more available operations.

Note:

- If you do not press any dial keys within 10 seconds after a voice guidance prompt, the unit disconnects your call.

Remote operation

You can press dial keys to operate answering system features as explained below.

Key	Operation
[1]	Repeat message (during playback)*1
[2]	Skip message (during playback)
[4]	Play new messages
[5]	Play all messages
[6]	Play greeting message
[7]	Record greeting message
[9]	Stop recording or playback
[0]	Turn answering system off
# [9]	Turn new message notification off
* [4]	Erase currently playing message
* [5]	Erase all messages

Answering System Features

Key	Operation
6	Reset to a pre-recorded greeting message (during greeting message playback)
#	End remote operation and end call

*1 If pressed within the first 5 seconds of playback, the previous message is played.

Turning on the answering system remotely

- 1 Dial your phone number from a touch-tone phone.
- 2 Let the phone ring 20 times.
 - A long beep is heard.
- 3 Enter your remote access code within 10 seconds after the long beep.
 - The greeting message is played back.
 - You can either hang up, or enter your remote access code again and begin remote operation.

Answering system settings

Number of rings

You can change the number of times the phone rings before the unit answers a call.

- 1 Tap **[Landline]** in the home screen or app list.
- 2 Tap **[Answering system]**.
 - The handset connects to the base unit.
- 3 Tap **[Settings]** → **[Number of rings]**.
- 4 Select the desired setting.
 - If you select **[Auto]**, the answering system answers at the end of the 2nd ring when new messages have been recorded, or at the end of the 5th ring when there are no new messages. If you call your home phone from outside to listen to new messages using remote operation (page 35), you will know that there are no new messages when the phone rings for the 3rd time. You can then hang up without being charged for the call.

For landline voicemail service subscribers

To receive voicemail and use the answering system properly, please note the following:

- To use your landline phone service provider's voicemail service (page 46) rather than the unit's answering system, turn off the answering system (page 32).
- To use the base unit's answering system rather than your landline phone service provider's voicemail service, please ask the service provider to deactivate your voicemail service. If your landline phone service provider cannot do this:
 - Set the answering system's **[Number of rings]** setting (page 38) so that it answers calls before your landline's voicemail service does. It is necessary to check the number of rings required to activate your landline's voicemail service before changing this setting.
 - Increase the number of rings required for your landline phone service provider's voicemail service, so that the base unit's answering system can answer calls before your landline's voicemail service does. Contact your landline phone service provider as necessary.

Recording time

This setting determines the maximum recording time allowed for each caller.

- 1 Tap **[Landline]** in the home screen or app list.
- 2 Tap **[Answering system]**.
 - The handset connects to the base unit.
- 3 Tap **[Settings]** → **[Recording time]**.
- 4 Select the desired setting.
 - If you select **[Greeting only]**, the answering system does not record caller messages. Tap **[OK]** to save the setting.
 - If you do not record your own greeting message and **[Greeting only]** is selected, the answering system will play the pre-recorded greeting-only message asking callers to call again later. If you record your own greeting message (page 32), ask callers to call again later.

Remote code

The remote access code is a 3-digit code that must be entered in order to access the answering system remotely using standard remote access. This code prevents unauthorised parties from listening to your messages remotely.

- 1 Tap **[Landline]** in the home screen or app list.
- 2 Tap **[Answering system]**.
 - The handset connects to the base unit.
- 3 Tap **[Settings]** → **[Remote code]**.
- 4 Enter the desired code and then tap **[Done]**.

Call screening

This setting determines whether the handset can screen calls while a caller is leaving a message. When screening a call, you can adjust the speaker volume by pressing the volume button up (+) and down (−) repeatedly, and you can answer the call by tapping  and dragging it to



- 1 Tap **[Landline]** in the home screen or app list.
- 2 Tap **[Answering system]**.
 - The handset connects to the base unit.
- 3 Tap **[Settings]** → **[Call screening]**.
- 4 Select the desired setting.

Ringtones and audio settings

You can adjust the handset's ringtone, ringer volume, and other audio settings, and save the settings as an audio profile. Audio profiles allow you to change multiple ringtone and audio settings easily.

Selecting an audio profile

- 1 From the home screen, tap  → **[System settings]** → **[Audio profiles]**.
- 2 Tap  next to the desired audio profile.

Preset audio profiles

- **[General]**: You can select the desired ringtone, ringer volume, etc.
- **[Silent]**: The ringer is turned off and the phone does not vibrate.
- **[Meeting]**: The ringer is turned off and the phone only vibrates.
- **[Outdoor]**: The settings of the **[General]** profile are used. The ringer volume is set to the maximum level and vibration is turned on.

Changing audio settings

- 1 From the home screen, tap  → **[System settings]** → **[Audio profiles]**.
- 2 Tap the name of the desired audio profile.
 - You can change the settings of the **[General]** audio profile, but the other default audio profiles cannot be changed.
- 3 Change the settings as desired.
- 4 When finished, tap the home button.

Frequently used settings

- **[Vibrate]**: Turns the vibration feature on and off.
- **[Volumes]**: Allows you to adjust the volume for ringtones and other alerts.
- **[Voice call ringtone]**: Allows you to select the ringtone used for incoming mobile calls.
- **[Landline call ringtone]**: Allows you to select the ringtone used for incoming landline calls.
- **[Dial pad touch tones]**: Determines whether touch tones are heard when you dial using the keypad.

Note:

- The ringtone heard for intercom calls cannot be changed.

Creating an audio profile

- 1 From the home screen, tap  → **[System settings]** → **[Audio profiles]** → .
- 2 Enter a name for the audio profile and then tap **[OK]**.
- 3 Select the new audio profile and then change the settings as desired.
- 4 When finished, tap the home button.

Resetting audio profile settings

From the home screen, tap  → **[System settings]** → **[Audio profiles]** →  → **[OK]**.

Night mode

Night mode allows you to select a period of time during which the handset will not ring for calls. This feature is useful for time periods when you do not want to be disturbed, for example, while sleeping.

Important:

- Make sure the unit's date and time setting is correct (page 45).

Turning night mode on and off

- 1 From the home screen, tap  → **[System settings]** → **[Audio profiles]**.
- 2 Turn the **[Night mode]** switch on or off.

Changing the start and end time

You can set the start and end times, and set the ring delay.

- 1 From the home screen, tap  → **[System settings]** → **[Audio profiles]**.
- 2 Turn on the **[Night mode]** switch, and then tap **[Night mode]** → **[Start/end]**.
- 3 Select the desired settings and then tap **[Set]**.

Changing the ring delay

This setting allows the handset to ring during night mode if the caller waits long enough. After the selected amount of time passes, the handset rings. If you select **[No Ringing]**, the handset never rings during night mode.

- 1 From the home screen, tap  → **[System settings]** → **[Audio profiles]**.
- 2 Turn on the **[Night mode]** switch, and then tap **[Night mode]** → **[Ring delay]**.
- 3 Select the desired setting.

Auto talk

When this feature is enabled, you can answer an incoming call simply by lifting the handset off the charger or by unplugging the USB cable.

- 1 Tap **[Phone]** in the home screen or app list.
- 2 Tap  → **[Settings]**.
- 3 Turn the **[Auto talk]** checkbox on or off.

Blocking incoming calls (caller barring)

You can use the caller barring feature to block junk calls or calls from certain people. When a landline call is received from a phone number that you have added to the blocked caller list, the base unit disconnects the call.

Other Features and Settings

Important:

- Caller ID is required to use this feature (page 46).
- Once phone numbers have been added to the blocked caller list, the handset does not ring when a landline call is received until it has received the Caller ID and can confirm that the phone number is not stored in the blocked caller list.

Adding a phone number manually

You can store 100 phone numbers.

Important:

- You must store the full phone number, including the area code, in order to block calls from that number.
- 1 Tap **[Landline]** in the home screen or app list.
 - 2 Tap **[Landline settings]** → **[Caller barred]**.
 - The handset connects to the base unit.
 - 3 Tap  → **[Add to barred list]**.
 - 4 Enter the desired phone number and then tap **[Done]**.

Adding a phone number from the base unit call log

- 1 Tap **[Landline]** in the home screen or app list.
- 2 Tap **[Call log list]**.
 - The handset connects to the base unit.
- 3 Tap the desired information.
- 4 Tap  → **[Add to barred list]** → **[OK]**.

Editing or erasing a phone number

- 1 Tap **[Landline]** in the home screen or app list.
- 2 Tap **[Landline settings]** → **[Caller barred]**.
 - The handset connects to the base unit.
- 3 Select the desired phone number.
- 4 **To edit the phone number:**
→ Tap **[Edit]**, edit the phone number, and then tap **[Done]**.
To erase the phone number:
→ Tap **[Delete]** → **[OK]**.

Blocking outgoing calls (call restriction)

You can use the call restriction feature to block up to 6 phone numbers so that selected handsets cannot use the landline to call those phone numbers. If you store an area code in the restricted phone number list, you can prevent the selected handsets from making any calls to phone numbers in that area code.

- 1 Tap **[Landline]** in the home screen or app list.

- 2 Tap **[Landline settings]** → **[Initial settings]**.
 - The handset connects to the base unit.
- 3 Tap **[Call restrict]**.
- 4 Enter the base unit PIN and then tap **[OK]**.
- 5 Turn on the checkbox for each handset that will be prevented from calling restricted phone numbers and then tap **[Next]**.
 - To allow a handset to call restricted numbers, turn off its checkbox and then tap **[Next]** to finish.
- 6 Select a memory location, enter the phone number to be restricted, and then tap **[Done]** at the top of the screen.

ECO mode

You can reduce the amount of power that the base unit consumes by enabling ECO mode. This feature reduces the transmission power of the base unit by up to 90% during standby mode.

- 1 Tap **[Landline]** in the home screen or app list.
- 2 Tap **[Landline settings]** → **[Initial settings]**.
 - The handset connects to the base unit.
- 3 Turn the **[ECO mode]** checkbox on or off.
 - ECO is displayed in the status bar when ECO mode is on.

Note:

- If **[Repeater mode]** is turned on (page 51), ECO mode is automatically turned off and the **[ECO mode]** checkbox is not displayed.
- During standby mode, the transmission range of the base unit is reduced when ECO mode is on.
- If there is another cordless phone in use nearby, the base unit transmission power may not be reduced.

Phone number conversion codes

If you store phone numbers in your contacts using “+” and the country code, store the following codes in the base unit so that phone numbers will be dialled correctly.

- 1 Tap **[Landline]** in the home screen or app list.
- 2 Tap **[Landline settings]** → **[Initial settings]**.
 - The handset connects to the base unit.
- 3 Tap **[Phone number conversion]**.
- 4 Select a code to edit, enter the code (4 digits max.) and then tap **[OK]**.
 - **[International code]**: This is the international dialling prefix that you need to dial when dialling international phone numbers manually.
 - **[Country code]**: This is the country code required when calling your country from overseas.
 - **[National access code]**: If you store domestic phone numbers in your handset using “+” and the country code, this is the number that should replace the country code when calling domestically.

First ring

This setting determines whether the first ring is heard when a landline call is received. If your landline has Caller ID service and you do not want your phone system to ring before caller information is received, select **[Off]**. Note that you can only remove the first ring if the phone system rings 2 times or more by default, which depends on your landline phone service.

- 1 Tap **[Landline]** in the home screen or app list.
- 2 Tap **[Landline settings]** → **[Initial settings]**.
 - The handset connects to the base unit.
- 3 Tap **[First ring]**.
- 4 Select the desired setting.

Recall/flash time

- 1 Tap **[Landline]** in the home screen or app list.
- 2 Tap **[Landline settings]** → **[Initial settings]**.
 - The handset connects to the base unit.
- 3 Tap **[Set recall time]**.
- 4 Select the desired setting.

Base unit PIN

The base unit PIN is required to register handsets to the base unit and change certain base unit settings. The default PIN is "0000". You can change the PIN if desired, however, note that the base unit will not reveal the PIN to you. If you forget the PIN, see page 62.

- 1 Tap **[Landline]** in the home screen or app list.
- 2 Tap **[Landline settings]** → **[Initial settings]**.
 - The handset connects to the base unit.
- 3 Tap **[Base unit PIN]**.
- 4 Enter the current base unit PIN (4 digits) and then tap **[Continue]**.
- 5 Enter the desired base unit PIN (4 digits) and then tap **[OK]** → **[OK]**.

Display language

- 1 From the home screen, tap  → **[System settings]** → **[Language & input]** → **[Language]**.
- 2 Select the desired language.

Note:

- Some items may be displayed in English regardless of the display language setting.

Date and time

Selecting automatic or manual date and time setting

- 1 From the home screen, tap  → **[System settings]** → **[Date & time]** → **[Automatic date & time]**.
 - 2 **To set the date and time automatically:**
 - Select the desired method.
 - If you select **[Use network provided time]**, a SIM card must be inserted in order for the handset to adjust its date and time setting automatically.
 - To set the date and time manually:**
 - Select **[Off]**.
-

Setting the date and time manually

- 1 From the home screen, tap  → **[System settings]** → **[Date & time]**.
 - 2 Make sure that **[Automatic date & time]** is set to **[Off]**.
 - 3 **To set the date:**
 - Tap **[Set date]**, select the desired date, and then tap **[Set]**.
 - To set the time:**
 - Tap **[Set time]**, select the desired time, and then tap **[Set]**.
-

Wi-Fi settings

If you have a wireless router and an Internet connection, you can configure the handset to connect to your Wi-Fi network and access the Internet for synchronising your handset with your Google account, using the **[Browser]** app to view web pages, etc.

- 1 From the home screen, tap  → **[System settings]**.
 - 2 Turn on the **[Wi-Fi]** switch.
 - 3 Tap **[Wi-Fi]**.
 - 4 Select a Wi-Fi network.
 - If the desired Wi-Fi network is not displayed, you may need to enter the network name (also called the “SSID”) manually. See page 45 for more information.
 - 5 Enter the password if you are connecting to a secure Wi-Fi network.
 - 6 Tap **[Connect]**.
-

Adding a Wi-Fi network manually

Some wireless routers do not broadcast their availability. In this case you need to enter the network name (SSID) as well as the network's password.

- 1 From the home screen, tap  → **[System settings]**.
 - 2 Tap **[Wi-Fi]** → **[ADD NETWORK]**.
 - 3 Enter the Wi-Fi network's SSID.
-

Other Features and Settings

- 4 Select the network's security type and enter its password, if required.
- 5 Tap **[Save]**.

Google™ account

If you have a Google account and an Internet connection, you can register your account information in the handset and synchronise your contacts, Gmail™ messages, calendar, and data for other Google services with the data stored in your handset. This is a convenient way to transfer your contacts to the handset.

Use the following procedure to enter your Google account information.

- 1 From the home screen, tap  → **[System settings]** → **[Accounts & sync]** → **[ADD ACCOUNT]** → **[Google]**.
- 2 Follow the on-screen instructions.

Caller ID support

The base unit is Caller ID compatible. Caller ID is a service provided by your landline phone service provider which may require a subscription. Contact your landline phone service provider for details and availability.

Caller ID features

When you receive a landline call, Caller ID allows the base unit to receive caller information provided from your landline phone service provider. The base unit automatically logs caller information for the last 50 callers and stores this information in the base unit call log. The handset also logs information for calls that are received on the landline while the handset is connected to the base unit.

Caller information display

If a caller's phone number matches the phone number stored in the handset contacts (page 30), the stored name is displayed and logged in the call log.

Voicemail

Voicemail is an automatic answering service that may be offered by your landline phone service provider and your mobile phone service provider. After you subscribe to this service, your service provider's voicemail system answers calls for you when you are unavailable to answer the phone or when your line is busy. Messages are recorded by your service provider, not by your telephone.

When you have new messages,  is displayed in the status bar and notifications panel if your service provider supports message indication service. Please contact your service provider for details.

Important:

- Make sure you read the information for landline voicemail service subscribers on page 38.

- To use your landline phone service provider's voicemail service rather than the unit's answering system, turn off the answering system (page 32).

Setting the voicemail access number for the landline

- 1 Tap **[Landline]** in the home screen or app list.
- 2 Tap **[Landline settings]** → **[Voicemail]**.
 - The handset connects to the base unit.
- 3 Tap **[Voicemail number]**.
- 4 Enter the access number and then tap **[OK]** → **[OK]**.

Setting the voicemail access number for the mobile line

A SIM must be inserted in order to use this procedure.

- 1 Tap **[Phone]** in the home screen or app list.
- 2 Tap  → **[Settings]** → **[Voice Call]** → **[Voice mail]** → **[Voicemail service]**
- 3 Tap  next to **[My carrier]**.
- 4 Tap **[Voicemail settings]** → **[Voicemail number]**.
- 5 Enter the access number and then tap **[OK]** → **[OK]**.

Listening to voicemail

- 1 Tap **[Phone]** in the home screen or app list.
- 2 Select the  tab at the top of the screen.
- 3 Tap and hold  and then select the desired phone line.
- 4 Operate your service provider's voicemail service.
 - Contact your service provider for details.

Adding handsets

In order to use a handset and base unit together, the handset must be registered to the base unit. You can register additional handsets to the base unit for a total of 6 handsets.

Important:

- See page 4 for information about recommended handsets. Certain features may not be available if a different handset model is used.

Registering an additional handset to your base unit

The supplied handset is pre-registered to the base unit.

- 1 Tap **[Landline]** in the home screen or app list.
- 2 Tap **[Landline settings]** → **[Initial settings]**.
- 3 **If a dialogue is displayed prompting you to press [•••] on the base unit:**
→ Follow the on-screen instructions. You do not need to follow the steps below.
If the [Initial settings] screen is displayed:
→ Tap **[Registration]** → **[Register handset]**.
or
→ Tap **[Register handset]**.
- 4 Select a base unit number.
 - This number is used by the handset as a reference only.
- 5 Press and hold **[•••]** on the base unit for about 5 seconds, and then tap **[OK]**.
 - If all registered handsets start ringing, press **[•••]** again to stop, then repeat this step.
- 6 Enter the base unit PIN and then tap **[OK]**.
 - The handset beeps when registration is complete.
 - If you forget the base unit PIN, see page 62.

Changing the handset name

You can customise the name of your handset. This can help you easily identify handsets when making intercom calls, transferring landline calls to other handsets, etc.

- 1 Tap **[Landline]** in the home screen or app list.
- 2 Tap **[Landline settings]** → **[Initial settings]**.
 - The handset connects to the base unit.
- 3 Tap **[Handset name]**.
- 4 Edit the name and then tap **[OK]**.

Deregistering a handset

This procedure erases registration information for the selected handset from both the handset and its base unit.

- 1 Tap **[Landline]** in the home screen or app list.
- 2 Tap **[Landline settings]** → **[Initial settings]**.
 - The handset connects to the base unit.
- 3 Tap **[Registration]** → **[Cancel registration]**.

- 4 Select the desired handset and then tap **[OK]**.

Intercom features

Making an intercom call

You can call another handset that is connected to the same base unit.

- 1 Tap **[Phone]** in the home screen or app list.
- 2 Tap  and then select the desired handset.
 - You can customise the handset name (page 48).
- 3 When finished, tap  to end the call.

Answering an intercom call

- 1 When a call is being received, tap  and drag it to .
 - To reject an intercom call, tap  and drag it to .
- 2 When finished, tap  to end the call.

Transferring and sharing a landline call

You can transfer and share landline calls between two handsets that are connected to the same base unit.

- 1 While talking on a landline call, tap .
 - The landline call is put on hold.
- 2 Select the desired handset.
- 3 Wait for the other handset user to answer the call.
 - The other handset rings for 1 minute.
 - To cancel and return to the call, tap .
- 4 **Transferring**
After the other handset user answers the call, tap  to end the intercom call.
 - The other handset user may continue to talk on the landline call.

Sharing

After the other handset user answers the call, tap  to talk on the landline call together with the other handset user.

- The other handset user may continue to talk on the landline call.
- 5 When finished, tap  to leave the call.
 - When both handset users have left the landline call, the call is disconnected.

Joining a landline call

If another handset user is talking on a landline call, you can use your handset to join the call and talk on the landline call with the handset user.

- 1 While another handset user is talking on a landline call, tap **[Phone]** in the home screen or app list.
- 2 Select the  tab at the top of the screen.

Expanding Your Phone System

- 3 Tap  at the bottom of the screen and then select the landline.

Note:

- You can prevent other handset users from joining your landline calls by enabling privacy mode (page 50).

Privacy mode

If a handset user is talking on a landline call, this feature prevents other handset users from joining the call (page 49).

- 1 Tap **[Landline]** in the home screen or app list.
- 2 Tap **[Landline settings]** → **[Initial settings]**.
 - The handset connects to the base unit.
- 3 Turn the **[Privacy mode]** checkbox on or off.

Adding base units

Handsets can be registered to up to 4 base units, allowing you to extend the area in which your handsets can be used, or use the same handset in other locations where you have base units.

Adding a base unit

Use the procedure for registering a handset (page 48).

Selecting a base unit

If the handset is registered to more than one base unit, you can specify which base unit the handset connects to, or configure the handset to connect to one of its registered base units automatically.

Important:

- A handset can only make and receive landline calls and intercom calls using one base unit at a time.

- 1 Tap **[Landline]** in the home screen or app list.
- 2 Tap **[Landline settings]** → **[Initial settings]**.
 - The handset connects to the base unit.
- 3 Tap **[Select base unit]**.
- 4 Select the desired base unit number, or **[Auto]**.
 - If you select **[Auto]**, the handset automatically uses any available base unit it is registered to. If the handset moves out of range of one base unit, it looks for another base unit.
 - If you select a specific base unit, the handset makes and receives landline calls using that base unit only. If the handset is out of range of that base unit, no landline calls can be made.

Cancelling a base unit

This procedure erases the selected base unit's information from the handset.

- 1 Tap **[Landline]** in the home screen or app list.

- 2 Tap **[Landline settings]** → **[Initial settings]**.
 - The handset connects to the base unit.
- 3 Tap **[Cancel base unit]**.
- 4 Select the desired base unit number, and then tap **[OK]**.

Adding a DECT repeater

You can increase the signal range of the base unit by registering a DECT repeater to the base unit.

Important:

- See page 3 for information about the recommended DECT repeater. Your phone system may not function properly if a different repeater model is used.
- Do not use more than one repeater at a time.
- If the repeater is already registered to a base unit, deregister it from that base unit before adding it to another base unit. Refer to the documentation supplied with the repeater for details.

Registering a DECT repeater

- 1 Tap **[Landline]** in the home screen or app list.
- 2 Tap **[Landline settings]** → **[Initial settings]**.
 - The handset connects to the base unit.
- 3 Turn on the **[Repeater mode]** checkbox.
- 4 Press and hold **[•••]** on the base unit for about 5 seconds.
- 5 Connect the repeater's AC adaptor and then wait for the ① and ▼ indicators to light in green.
- 6 Press **[•••]** on the base unit to exit registration mode.

Turning DECT repeater mode on and off

- 1 Tap **[Landline]** in the home screen or app list.
- 2 Tap **[Landline settings]** → **[Initial settings]**.
 - The handset connects to the base unit.
- 3 Turn the **[Repeater mode]** checkbox on or off.

Using key finders

You can register up to 4 optional key finders to your phone system (page 3). By registering a key finder to the base unit and then attaching the key finder to an easily misplaced item, such as your house or car keys, you can use your handset to find the item. When you use the handset's key finder search mode, the key finder will emit a sound that changes as the handset moves closer to the item.

For more information, refer to the documentation supplied with your key finder or visit the following web site.

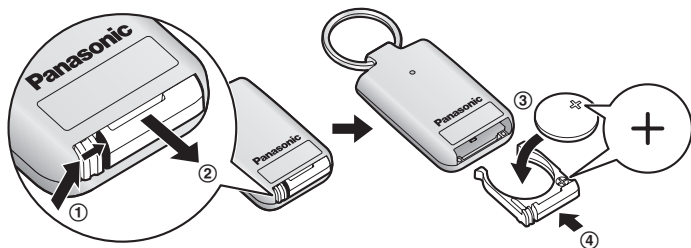
<http://panasonic.net/pcc/products/telephone/p/tga20/>

Registering a key finder

- 1 Tap **[Landline]** in the home screen or app list.
- 2 Tap **[Key finder]** → **[Settings]**.
 - The handset connects to the base unit.
- 3 Tap **[Add new device]** for an available key finder location number (1–4).
- 4 **Using the key finder:**

With the tab pushed to the right (①), pull out the battery holder (②). Insert the battery with the positive terminal (+) facing up (③), then close the battery holder (④).

 - Confirm that the battery's terminals (+, -) are facing the correct directions.
 - The key finder will enter registration mode automatically and will sound its registration tones.



- 5 Wait until a long beep sounds.

Note:

- If the registration tones do not sound or registration fails, remove the battery from the key finder for at least 2 minutes before attempting registration again.

Changing a key finder's name

- 1 Tap **[Landline]** in the home screen or app list.
- 2 Tap **[Key finder]** → **[Settings]**.
 - The handset connects to the base unit.
- 3 Select the desired key finder and then tap **[Change name]**.
- 4 Edit the name as desired and then tap ←.

Deregistering a key finder

- 1 Tap **[Landline]** in the home screen or app list.
- 2 Tap **[Key finder]** → **[Settings]**.
 - The handset connects to the base unit.
- 3 Select the desired key finder and then tap **[Deregistration]** → **[OK]**.

Searching for a key finder

- 1 Tap **[Landline]** in the home screen or app list.
- 2 Tap **[Key finder]** → **[Search]**.
 - The handset connects to the base unit.
- 3 Select the desired key finder.
- 4 Try to locate the key finder.
 - While searching for the key finder, the handset beeps and displays the key finder's signal strength (1–5) and level (1–100). The key finder beeps in response.
 - Searching stops automatically after 3 minutes. To continue searching for the key finder, repeat step 3.
- 5 To stop searching, tap .

Checking key finder battery level

- 1 Tap **[Landline]** in the home screen or app list.
- 2 Tap **[Key finder]** → **[Battery check]**.
 - The handset connects to the base unit.
- 3 Select the desired key finder.
 - If the battery is good, the key finder beeps and **[OK]** is displayed.
 - If the battery is dead, the key finder does not beep and **[Battery dead]** is displayed.
 - **[Battery dead]** may be displayed if there is radio interference or if the key finder is out of range of the handset.

Phone settings overview

You can customise general phone settings to suit your needs using the **[Settings]** app. Settings are grouped into the categories explained below.

To open the **[Settings]** app, tap **[Settings]** in the home screen or app list.

Settings category	Description
[Phone management]	Contains settings related to the handset's SIM and DECT features.
[Wi-Fi]	Contains wireless network settings.
[Landline settings]	Contains various base unit features and settings.
[Bluetooth]	Contains Bluetooth wireless technology settings.
[Data usage]	Contains settings related to network usage.
[More...]	Contains settings related to wireless networks, such as airplane mode and Wi-Fi Direct.
[Audio profiles]	Contains settings related to night mode, ringer volume, and ringtones.
[Display]	Contains settings such as brightness and screen timeout.
[Storage]	Allows you to confirm the available space in your phone.
[Battery]	Allows you to confirm and manage battery performance.
[Apps]	Allows you to manage and remove the apps installed on your phone.
[Accounts & sync]	Allows you to add and remove new accounts, as well as manage how your phone synchronises to servers to keep its data up-to-date.
[Location services]	Contains settings related to how your phone uses location information.
[Security]	Contains settings that control security-related features such as screen lock and SIM lock.
[Language & input]	Contains settings related to display language, input language, the keyboard, speech, and the user dictionary.
[Backup & reset]	Contains data backup and deletion related settings that help you manage and back up your personal information to Google servers. You can also reset your phone and its information using settings found here.
[Date & time]	Contains settings that determine your phone's date, time, time zone, and time format.
[Schedule power on/off]	Allows you to set the handset to turn on and off and scheduled times.

Settings category	Description
[Accessibility]	Contains settings that can make the phone easier to interact with.
[Developer options]	Contains advanced settings that are not required for typical use.
[About phone]	Allows you to confirm general phone information such as battery level, network status, and installed software versions.

Included apps

The supplied handset is a full-featured Android device and includes a wide range of apps. Some of the more commonly used apps are briefly introduced below.



Phone

Telephone app that allows the handset to make and receive landline and mobile calls.



Settings

General device configuration app.



People

Address book app. Data can be synchronised with a variety of online services.



Messaging

Text messaging app that supports SMS and MMS messaging.



Email

Full-featured mail client that allows you to send, receive, forward, and transfer email messages.



Browser

Internet browser.



Camera

Uses the built-in camera to allow you to take pictures and record video.



Gallery

Picture and video viewing app.



Calendar

Appointment management app.



Gmail

Email client for Gmail accounts. Requires a Google account.



Maps

Provides access to the Google Maps™ service.



Navigation

Google Maps with Navigation beta app. Uses data from Google Maps and the handset's GPS features to provide navigation.



Play Store

Allows you to download apps on Google Play™.



Play Music

Music player app. Also allows you to access the Google Play Music service. (Service availability varies by region.)



Skype

Instant messaging app that also supports audio and video chats using the handset's microphone and front camera.



Media5

VoIP softphone app that allows you to make and receive phone calls over the Internet using a Wi-Fi or 3G connection.

Status icons

Icons that appear in the status bar vary depending on the apps that are installed in the handset. Some common icons are described below.



Connection to base unit is available



Connection to base unit is available, ECO mode is turned on



No connection to base unit



No mobile network is available



Mobile network data connection in use



Roaming on another mobile network



3G network is available



GSM network is available



Airplane mode is on



Connected to Wi-Fi network



Bluetooth feature is on



Bluetooth device is connected



Battery is charging



Speakerphone is on



Microphone is muted



[Silent] audio profile is selected



[Meeting] audio profile is selected



Night mode is on



Privacy mode is on



Answering system is on



Answering system is set to "greeting only" mode

Notification icons

Icons that appear in the notifications panel vary depending on the apps that are installed in the handset. Some common icons are described below.

-  New Gmail received
-  New email message received
-  New SMS message received
-  Error when sending SMS message
-  Calendar event reminder
-  Song is being played
-  Open (unsecured) wireless network is available
-  PC is connected via USB
-  Error message
-  Call in progress
-  Missed call
-  Call is on hold
-  Intercom call being received
-  Uploading data
-  Downloading data
-  More notifications available
-  GPS is activated
-  New voicemail received
-  New answering system messages recorded

Control panel settings



Changes the handset's screen brightness (auto, dim, half, full).



Changes the amount of time before the handset's screen dims (15 seconds, 30 seconds, 1 minute).



Turns the handset's auto screen rotation feature on and off.



Turns the handset's airplane mode feature on and off.



Turns the handset's Wi-Fi feature on and off.



Turns the handset's DECT connection to the base unit on and off.



Turns the handset's Bluetooth feature on and off.



Turns the handset's GPS feature on and off.



Turns off the handset's data connection to the mobile network.



Selects the **[General]** audio profile.



Selects the **[Silent]** audio profile.



Selects the **[Meeting]** audio profile.



Selects the **[Outdoor]** audio profile.

Troubleshooting

If you experience any problems when operating the product, perform the following. If the problem is not resolved, refer to the corresponding information in this section.

- ① Disconnect and then reconnect the base unit's AC adaptor.
- ② Make sure that the telephone line cord is connected to the base unit.
- ③ Turn off the handset, remove and then reinsert the handset's battery, and then restart the handset.

General use

Problem	Cause and/or solution
The handset does not turn on even after charging the battery.	● The handset is turned off. Press and hold the power button on the top of the handset.
The phone system does not work.	● In the control panel (page 21), make sure the handset's airplane mode feature is turned off, and that the handset's DECT connection to the base unit is turned on. ● If you used the handset away from home where there is no DECT connection to a base unit, it may take several minutes for the handset to reconnect to the base unit when you return home. In this case, you can use the control panel (page 21) to turn the DECT connection off and then on again to force the handset to connect to the base unit quickly. ● Make sure the battery is installed correctly (page 14). ● Fully charge the battery (page 15). ● Check the connections (page 13). ● Unplug the base unit's AC adaptor to reset the unit and turn off the handset. Reconnect the adaptor, turn on the handset and try again. ● The handset has not been registered to the base unit. Register the handset (page 48).
The handset screen is blank or dark.	● The screen is turned off. Press the power button on the top of the handset. ● The handset is turned off. Press and hold the power button on the top of the handset.
I cannot hear a dial tone.	● Make sure that you are using the supplied telephone line cord. Your old telephone line cord may have a different wiring configuration. ● The base unit's AC adaptor or telephone line cord is not connected. Check the connections. ● Disconnect the base unit from the telephone line and connect the line to a known working telephone. If the working telephone operates properly, contact our service personnel to have the unit repaired. If the working telephone does not operate properly, contact your service provider.

Settings

Problem	Cause and/or solution
The display is in a language I cannot read.	● Change the display language (page 44).
I cannot turn on ECO mode.	● If [Repeater mode] is turned on (page 51), ECO mode is automatically turned off and the [ECO mode] checkbox is not displayed.
I cannot register a handset to a base unit.	● The maximum number of handsets (6) is already registered to the base unit. Cancel unused handset registrations from the base unit (page 48). ● The maximum number of base units (4) is already registered to the handset. Cancel unused base unit registrations from the handset (page 50). ● You entered the wrong base unit PIN. If you forget your PIN, see page 62.
I cannot remember the base unit PIN.	● Change the base unit PIN using the following method. 1 Tap [Landline] in the home screen or app list. 2 Tap [Landline settings] → [Initial settings]. ● The handset connects to the base unit. 3 Tap [Base unit PIN]. 4 Enter [✕][7][0][0][0] and then tap [Continue]. 5 Enter the desired base unit PIN (4 digits) and then tap [OK] → [OK].

Battery charge

Problem	Cause and/or solution
I fully charged the battery, but the low battery message is still displayed and/or the operating time seems to be shorter.	● Clean the charge contacts of the handset and charger with a dry cloth and charge again. ● It is time to replace the battery (page 3).

Calls

Problem	Cause and/or solution
 is displayed.	● The handset is too far from the base unit. Move closer. ● The base unit's AC adaptor is not properly connected. Reconnect AC adaptor to the base unit. ● The handset is not registered to the base unit. Register it (page 48). ● During standby mode, the transmission range of the base unit is reduced if ECO mode is on. If required, turn ECO mode off (page 43).

Problem	Cause and/or solution
Noise is heard, sound cuts in and out.	- You are using the handset or base unit in an area with high electrical interference. Re-position the base unit and use the handset away from sources of interference. - Move closer to the base unit. - If you use a DSL/ADSL service, we recommend connecting a DSL/ADSL filter between the base unit and the telephone line jack. Contact your DSL/ADSL service provider for details.
Sound quality seems to be getting worse.	You have registered a handset that is not recommended for use with the base unit. The clearest sound quality is only possible when using a recommended handset (page 4).
The handset does not ring.	- The ringer volume is turned off. Press the volume button on the side of the handset up (+) and down (-) to adjust the volume. - Night mode is turned on. Turn it off (page 41).
I cannot make landline calls.	- You dialled a restricted number (page 42). - In the control panel (page 21), make sure the handset's airplane mode feature is turned off, and that the handset's DECT connection to the base unit is turned on.

Caller ID

Problem	Cause and/or solution
Caller information for landline calls is not displayed.	- You may need to subscribe to your landline phone service provider's Caller ID service. Contact your landline phone service provider for details. - If your unit is connected to any additional telephone equipment, remove the additional equipment and plug the unit directly into the wall jack. - If you use a DSL/ADSL service, we recommend connecting a DSL/ADSL filter between the base unit and the telephone line jack. Contact your DSL/ADSL service provider for details. - Other telephone equipment may be interfering with this unit. Disconnect the other equipment and try again.
Caller information for landline calls is displayed late.	- Depending on your landline phone service provider, the unit may display the caller's information at the 2nd ring or later. Set [First ring] to [Off] (page 44). - Move closer to the base unit.
Time on the unit has shifted.	Incorrect time information from incoming Caller ID changes the time. Select a different automatic time setting method, or set the time manually (page 45).

Answering system

Problem	Cause and/or solution
The answering system does not record messages.	● The answering system cannot record calls received on the mobile phone line. ● The answering system is turned off. Turn it on (page 32). ● The message memory is full. Erase unwanted messages (page 34). ● The recording time is set to [Greeting only]. Change the setting (page 39). ● If you subscribe to a voicemail service, messages are recorded by your service provider, not your telephone. Change the unit's number of rings setting (page 38) or contact your landline phone service provider.
I cannot operate the answering system remotely.	● The remote access code is not set, or you are entering the wrong remote code. Set the remote access code (page 39). ● The answering system is turned off. Turn it on (page 32).
The unit does not ring the specified number of times.	● If [First ring] is set to [Off] (page 44), the number of rings decreases by 1 from the specified number of rings.

Liquid damage

Problem	Cause/solution
Liquid or other form of moisture has entered the handset or charger.	● Disconnect the AC adaptor from the charger, and remove the SIM card, microSD card, and battery from the handset. Allow the unit exposed to liquid to dry for at least 3 days. After the exposed unit is completely dry, reconnect the AC adaptor, insert the SIM card, microSD card, and battery into the handset, and charge the battery fully before use. If the exposed unit does not work properly, contact your place of purchase or nearest Panasonic service centre. Caution: ● To avoid permanent damage, do not use a microwave oven to speed up the drying process.

Updating the software

If a system update is available, you can update the system software contained in the handset. A microSD card must be installed in the handset in order to update the system software.

- 1 Use a computer to access the support page for this product at the address below and check whether there is a software update available for the handset.
<http://www.panasonic.net/pcc/support/tel/sdect>
 - If a software update is available, continue to the next step, otherwise there is no need to continue with this procedure.
- 2 Connect the handset to your computer using a USB cable.
- 3 When the **[USB connected]** screen is displayed on the handset, tap **[Turn on USB storage]**.
- 4 Using your computer, download the software update file and save it to the root directory of the handset's microSD card.
 - Save the file as is (i.e., as a ".zip" file). Do not change the file extension.
- 5 After the file has been saved, tap **[Turn off USB storage]** on the handset.
- 6 Disconnect the handset from your computer.
- 7 Using the handset, go to the home screen and then tap  → **[System settings]** → **[About phone]** → **[Software update]**.
- 8 Follow the on-screen instructions.
 - The software update file is automatically erased from the microSD card after the update is complete.

Conditions of guarantee

This guarantee is in addition to and does not in any way affect any statutory or other rights of consumer purchasers. If within the applicable guarantee period, the product proves to be defective by reason of faulty design, workmanship or materials, we undertake subject to the following conditions to have the defective product (or any part or parts thereof) repaired or replaced free of charge.

1. The product shall have been purchased and used solely within either the U.K. or Ireland and in accordance with standard operating instructions and the technical and/or Safety Standards required in the U.K.
2. On being found defective, please consult with the retailer from where it was purchased for assistance.
3. This guarantee shall not apply to damage caused through fire, accident, lightning, misuse, wear and tear, neglect, incorrect adjustment or repair, to damage caused through installation, adaption, modification or use in an improper manner or inconsistent with the technical and/or safety standards required in the country where this product is used, or to damage occurred during transit to or from the purchaser.
4. If at any time during the guarantee period any part or parts of the product are replaced with a part or parts not supplied or approved by us or of an objective quality safe and suitable for the product, or the product has been dismantled or repaired by any person not authorised by us, we shall have the right to terminate this guarantee in whole or in part immediately without further notice.
5. The purchaser's sole and exclusive remedy under this guarantee against us is for the repair or replacement of the product or any defective part or parts and no other remedy, including, but not limited to, incidental or consequential damage or loss of whatsoever nature shall be available to the purchaser.
6. This guarantee shall not apply to batteries and any other items of limited natural life.
7. Our decision on all matters relating to complaints shall be final. Any product or defective part which has been replaced shall become our property.
8. The guarantee period applicable to this product shall be 12 months.

Please keep these operating instructions with your receipt.

Panasonic U.K. a branch of Panasonic Marketing Europe GmbH

Receipt No. _____	Date of purchase _____
Model No. _____	Serial No. _____

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IMPORTANT!

If your product is not working properly. . .

- ① Reconnect AC adaptor to the base unit.
- ② Check if telephone line cord is connected.
- ③ Reinsert the battery and restart the handset.
- ④ Read troubleshooting page in the **Operating Instructions**.



If you still have any problems, please call the Panasonic DECT Helpline

0844 844 3899 (U.K.)

01289 8333 (Ireland)

or contact us through our website:

www.panasonic.co.uk

Buy online via our eShop: <http://shop.panasonic.eu>

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